

WHAT IS CLAIMED IS:

- 1 1. A system for transferring scanned imaging data from a
2 scanning device to a personal imaging repository, comprising:
3 a scanning device capable of obtaining information from items
4 for scanning imaging data;
- 5 a personal imaging repository associated with a particular user for
6 storing imaging data that is to be accessed by requested web services;
- 7 an item for storing user information relating to said personal
8 imaging repository; and,
- 9 a device firmware for storing scanned imaging data from the
10 scanning device into said personal imaging repository;
- 11 wherein said personal imaging repository is an exchange
12 infrastructure between the imaging data and available web services on the
13 Internet.
- 1 2. The system as defined in claim 1 wherein said personal
2 imaging repository stores the imaging data in a plurality of file formats.
- 1 3. The system as defined in claim 1 wherein said personal
2 imaging repository comprises an imaging data store assigned to the user for
3 storing imaging data.
- 1 4. The system as defined in claim 1 wherein said personal
2 imaging repository comprises a plurality of imaging data stores for storing
3 imaging data.
- 1 5. The system as defined in claim 4 wherein one of said
2 plurality of imaging data store is assigned to the user for storing imaging data.

1 6. The system as defined in claim 4 wherein one of said
2 plurality of imaging data store is assigned to a web service for storing imaging
3 data provided by the web service.

1 7. The system as defined in claim 1 wherein said personal
2 imaging repository comprises a composition store for storing imaging
3 compositions of the imaging data that are serviced as a single unit.

1 8. The system as defined in claim 7 wherein said imaging
2 composition comprises a link reference for each imaging data that is serviced
3 as a single unit.

1 9. The system as defined in claim 1 wherein said personal
2 imaging repository is located on another data storage device that is linked to
3 said imaging client.

1 10. The system as defined in claim 1 wherein said item is a
2 smart card.

3 11. A system for transferring scanned imaging data from a
4 scanning device to a personal imaging repository, comprising:

5 a personal imaging repository associated with a particular user for
6 storing imaging data that is to be accessed by requested web services;

7 a scanning device with user information relating to said personal
8 imaging repository for scanning imaging data; and,

9 a device firmware for storing scanned imaging data from the
10 scanning device into said personal imaging repository;

11 wherein said personal imaging repository is an exchange
12 infrastructure between the imaging data and available web services on the
13 Internet.

14 12. A method for transferring scanned imaging data from a
15 scanning device to a personal imaging repository having an imaging data store

16 for storing the imaging data and a composition store for storing imaging
17 compositions having links to the imaging data serviced as a single unit, said
18 method comprising:

19 receiving the scanned imaging data;
20 obtaining user information relating to the personal imaging
21 repository;

22 connecting with the imaging data store of the personal imaging
23 repository indicated from the user information; and,

24 transferring the scanned imaging data to the imaging data store.

1 13. The method according to claim 12 further comprising the
2 steps of:

3 obtaining a link reference of the scanned imaging data stored in
4 the personal imaging data store; and,

5 disconnecting from the imaging data store by the scanning
6 device.

7 14. The method according to claim 12 wherein said step of
8 connecting with the imaging data store further comprising the steps of:

9 determining whether the connection with the imaging data store
10 is successful;

11 returning an error message to the user when the connection is not
12 successful; and,

13 converting the scanned imaging data into a predefined format.

1 15. The method according to claim 14 wherein said predefined
2 format is any one from the group consisting of:

3 Joint Photographic Experts Group Format;

4 Graphics Interchange Format;

5 Portable Network Graphics Format;

6 Tagged Image File Format;

7 Portable Document Format; and,

8 Microsoft Windows bitmap format.

9 16. The method according to claim 12 further comprising the
10 steps of:

11 obtaining a link reference of the scanned imaging data stored in
12 the personal imaging data store;

13 connecting with the composition store of the personal imaging
14 repository indicated from the user information;

15 creating an imaging composition having a link reference to the
16 scanned imaging data stored in the personal imaging data store; and,

17 saving the imaging composition to the composition store.

1 17. The method according to claim 16 further comprising the
2 steps of:

3 setting the imaging composition as a selected composition
4 available for service in the composition store; and,

5 disconnecting from the composition store of the personal imaging
6 repository.

7 18. The method according to claim 16 wherein prior to the
8 step of creating an imaging composition further comprising the steps of:

9 determining whether the connection with the composition store is
10 successful; and,

11 returning an error message to the user when the connection to the
12 composition is not successful.

1 19. The method according to claim 16 wherein said step of
2 creating an imaging composition further comprising the step of adding the link

3 reference of the imaging data stored in the imaging data store to the imaging
4 composition.

1 20. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when executed causes a computer to:

4 receive scanned imaging data;

5 obtain user information relating to the personal imaging
6 repository;

7 connect with the imaging data store of the personal imaging
8 repository indicated from the user information; and,

9 transfer scanned imaging data to the imaging data store.

1 21. A computer program product comprising a computer
2 usable medium having computer readable program codes embodied in the
3 medium that when installed in a scanning device linked to a personal imaging
4 repository with an imaging data store for storing the imaging data and a
5 composition store for storing imaging compositions with links to the imaging
6 data serviced as a single unit, the product causes the scanning device to:

7 receive scanned imaging data;

8 obtain user information relating to the personal imaging
9 repository;

10 connect with the imaging data store of the personal imaging
11 repository indicated from the user information; and,

12 transfer scanned imaging data to the imaging data store.